

Precision Gain Control 0.5-18 GHz 12dBm Rf Amplifier 10dB Ruggedized Construction High Power Density

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: ZR Hi-Tech
- Model Number: LT-PA-005180-G10P12
- Minimum Order Quantity: 1
- Packaging Details: carton packing
- Delivery Time: 4 weeks
- Payment Terms: T/T

Product Specification

- Product Name: LT-PA Series Power Amplifier
- Application: Wireless Communication
- Warranty: 12-Month
- Operating Temperature Range: -40~85°C
- Bandwidth Coverage: 0.5 To 18 GHz
- Color: Silver
- Highlight: Precision Gain Control Rf Amplifier,
High Power Density Rf Amplifier,
Ruggedized Construction Rf Amplifier

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Product Description

LT-PA Series Power Amplifier

Precision Gain Control 0.5-18 GHz 12dBm RF Amplifier with 10dB Ruggedized Construction

Product Attributes

Application	Wireless Communication
Warranty	12-Month
Operating Temperature Range	-40~85°C
Bandwidth Coverage	0.5 to 18 GHz
Color	Silver

Ultra-Wideband 0.5-18GHz Power Amplifier

Key Features:

- Exceptional Bandwidth Coverage (0.5-18GHz)
- 10dB Signal Gain with ± 2.0 dB Flatness
- 12dBm Output Power Capability
- Robust Aluminum Housing
- Wide Operating Temperature Range (-40°C to +85°C)
- Custom Frequency Optimization Available
- Compliant with CE/RoHS/REACH Standards
- 12-Month Manufacturer Warranty

The **ZR LT-PA-005180-G10P12** represents a breakthrough in ultra-wideband amplification technology, delivering **10dB gain** with **± 2.0 dB flatness** across an unprecedented **0.5-18GHz bandwidth**. This high-performance amplifier generates **12dBm output power** from **10dBm input**, making it ideal for demanding wideband applications.

Specifications

Electrical / Optical Characteristics (Ta=25°C $\pm 3^\circ$ C)

Items	Specification	Conditions
Part Number	LT-PA-005180-G10P12	
Configuration	Module with Connector	
Frequency Range	0.5 to 18 GHz	
Small Signal Gain	10 dB	
Gain Flatness	± 2.0 dB	
Output Power	12 dBm	
Input Power	10 dBm	
VSWR	2.0:1	
Power Supply	+12V / 150 mA	
Operating Temperature	-55 to +85 °C	
Dimension	34.4*16.8*8.1 mm	

Note: For custom specifications, please contact us directly.



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